

What Is Claimed Is:

1. An apparatus for testing an endurance of an optical disc, comprising:
a rotation plate rotating the optical disc;
a scratching unit producing a scratch on a surface of the optical disc; and
a frame supplying a predetermined pressure on the scratching unit and causing the scratching unit to contact the optical disc, so as to produce a scratch on the surface of the optical disc.
2. The apparatus according to claim 1, wherein the scratching unit includes a scratcher producing a scratch on the surface of the optical disc, and a holder fixing the scratcher.
3. The apparatus according to claim 2, wherein the scratcher is formed of steel wool.
4. The apparatus according to claim 1, wherein the frame supplies a predetermined pressure in the range of 50 to 5000 gf/cm² to the scratching unit.
5. The apparatus according to claim 1, wherein the frame supplies a pressure caused by its own weight to the scratching unit.
6. The apparatus according to claim 1, wherein the frame supplies a pressure caused by vapor.

7. The apparatus according to claim 1, further comprising a motor formed below the rotation plate and providing a rotation force to the rotation plate.

8. A method for testing an endurance of an optical disc, comprising:
fixing the optical disc on a rotation plate, and rotating the optical disc along with the rotation plate;

supplying a predetermined pressure to a scratcher, while the optical disc rotates for a predetermined number of rotation turns, so as to produce a scratch on a surface of the optical disc, resulting from a contact with the scratcher; and

determining the endurance of the optical disc based on the scratch produced on the surface of the optical disc.

9. The method according to claim 8, wherein the supplying a predetermined pressure to the scratcher includes having the optical disc rotate for 5 rotation turns or less.

10. The method according to claim 8, wherein the pressure applied to the scratcher is decided differently depending upon a predetermined number of rotation turns of the optical disc.

11. The method according to claim 10, wherein the pressure applied to the scratcher is decided to be at a low level when the predetermined number of rotation turns of the optical disc is high, and at a high level when the predetermined number of rotation turns of the optical disc is low.

12. The method according to claim 8, wherein the pressure applied to the scratcher is decided within the range of 500 to 1500 gf/cm².

13. The method according to claim 8, wherein the scratcher is formed of steel wool.

14. The method according to claim 8, wherein the determining the endurance of the optical disc includes determining the optical disc to be deficient when the depth of the scratch is equal to or more than 2 micrometers (μm), and determining the optical disc to be normal when the depth of the scratch is less than 2 micrometers (μm).